

Converting Colors

CIELCh(67, 50.795, 276.598)

Have a look what the booklet for
CIELCh(67, 50.795, 276.598)
contains.

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Color

CIELCh(67, 50.677, 276.481)

Conversions

Conversions Part 1

Format	Color
Hex	65A5FE
RGB	101, 165, 254
RGB Percent	40%, 65%, 100%
CMY	0.6058, 0.3545, 0.0056
CMYK	0.60, 0.35, 0.00, 0.01
HSL	215°, 98%, 69%
HSV	215°, 60%, 99%
XYZ	36.5145, 36.6320, 98.5418
YIQ	156.0100, -66.7130, 14.1110

Conversions

Conversions Part 2

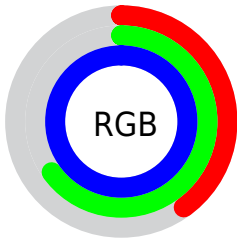
Format	Color
RYB	101, 146, 254
Decimal	6661630
CIELab	67.00, 5.72, -50.35
CIElCh	67, 50.677, 276.481
Yxy	36.6320, 0.2127, 0.2134
Android (android.graphics.Color)	4284851710 (0xFF65A5FE)
YUV	156.0100, 48.3091, -48.2438
Hunter-Lab	60.5244, 1.7719, -54.1651

Details

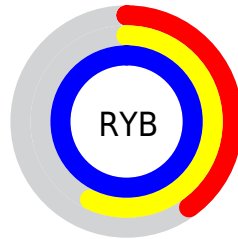
The CIELCh color **67, 50.677, 276.481** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **81, 54.901, 75.375**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 25.058, 246.222**, and **47, 50.620, 276.372** is the 20% darker color. If you saturate the color by 10%, you get **62, 59.254, 279.965**, and if you desaturate by 10%, it is **72, 42.204, 273.436**.

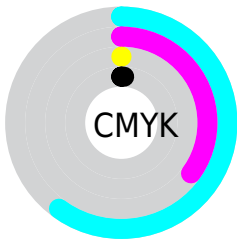
Distribution



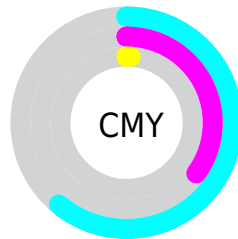
- Red (40%)
- Green (65%)
- Blue (100%)



- Red (40%)
- Yellow (57%)
- Blue (100%)



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)
- Black (1%)





- Cyan (61%)
- Magenta (35%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 50.677, 276.481 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 67, 50.677, 276.481 by changing the saturation by 10% instead.


 67, 50.677,
276.481


 67, 50.677,
276.481


 100, 50.677,
276.481


 57, 50.677,
276.481


 87, 50.677,
276.481

 47, 50.677,
276.481

 97, 50.677,
276.481

 37, 50.677,
276.481

 27, 50.677,
276.481

 17, 50.677,
276.481

 7, 50.677, 276.481

 0, 50.677, 276.481

67, 50.677,
276.481

67, 50.677,
276.481

62, 59.254,
279.965

72, 42.204,
273.436

57, 68.010,
283.833

77, 33.783,
270.820

53, 76.997,
287.950

83, 25.385,
268.596

49, 85.873,
291.895

88, 17.000,
266.715

94, 8.635, 265.132

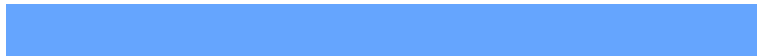
99, 0.304, 264.919

100, 0.719,
110.017

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



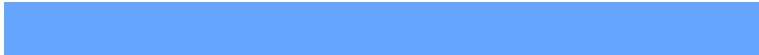
67, 50.677, 276.481



81, 54.901, 75.375

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 50.677, 276.481



67, 50.677, 326.481



67, 50.677, 96.481



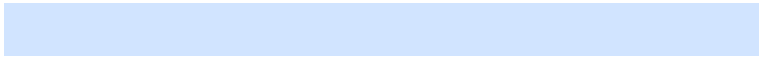
67, 50.677, 146.481

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67, 50.676, 276.482



90, 15.098, 266.317



90, 59.028, 160.341



46, 10.496, 266.812



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 50.676, 276.482



62, 60.960, 280.586



52, 87.849, 301.155



50, 4.763, 265.011



37, 68.216, 291.167



10, 27.445, 285.289

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 64.068, 356.442



60, 73.642, 359.443



96, 73.403, 107.818



50, 6.057, 349.088



41, 68.136, 9.989



10, 31.348, 3.206

Previews

White Background



This preview shows how the CIE LCh color 67, 50.677, 276.481 looks on a white background.

Color Contrast Check

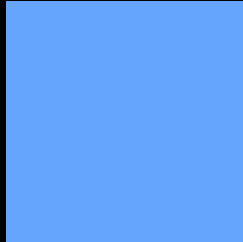
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 50.677, 276.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

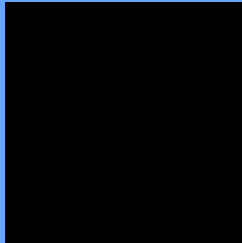
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

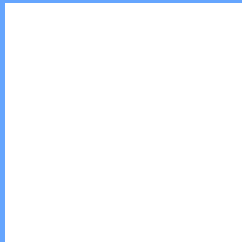
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 50.677, 276.481

Background



This preview shows how black text looks on a background with the CIELCh color 67, 50.677, 276.481.



This preview shows how white text looks on a background with the CIELCh color 67, 50.677, 276.481.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
67, 50.677, 276.481

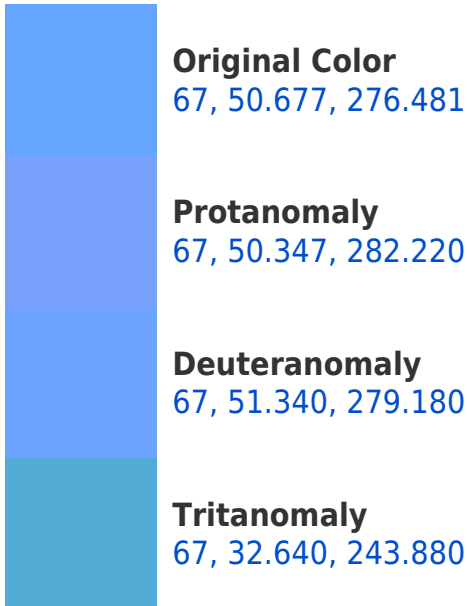
Protanopia
67, 49.971, 285.862

Deuteranopia
67, 51.635, 280.893

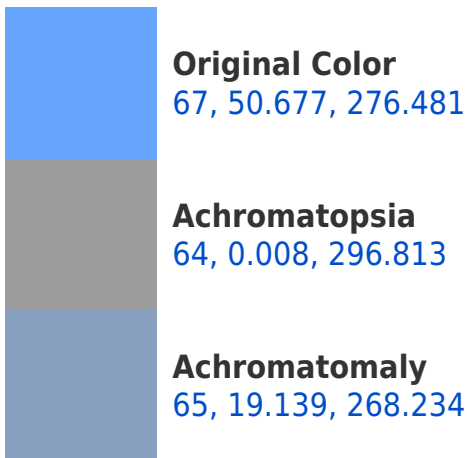


Tritanopia
67, 30.350, 212.107

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 50.677, 276.481 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(101, 165, 254)` looks like.

```
.text, #text, p{  
    color:rgb(101, 165, 254)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(101, 165, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 165, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 50.677, 276.481 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 165, 254) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(101, 165, 254) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(101, 165, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 165, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 165, 254);  
box-shadow:4px 4px 4px 4px rgb(101, 165,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 50.677, 276.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 165, 254) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(101,  
165, 254) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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